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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/810,721	03/29/2004	Jang Hui Cho	1740-000071/US/COA	9356
30593	7590	01/18/2005	EXAMINER	
HARNESS, DICKEY & PIERCE, P.L.C. P.O. BOX 8910 RESTON, VA 20195			BOCCIO, VINCENT F	
			ART UNIT	PAPER NUMBER
			2616	

DATE MAILED: 01/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/810,721	CHO ET AL.	
	Examiner	Art Unit	
	Vincent F. Boccio	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>11/24/04</u> . | 6) <input type="checkbox"/> Other: ____. |

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DETAILED ACTION

The Group and/or Art Unit location of your application in the PTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Group Art Unit 2616.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Okada (US 2002/0046328), wherein the US reference is being relied upon as a certified translation in view of WO 00/42515 PUB. Date 7/20/2000, therefore, in view of the date, a {102 b}, reference.

Regarding claim 1, Okada meets the limitations associated with record medium, recording & reproduction apparatus and methods having a data structure for managing reproduction of at least video data representing multiple reproduction paths, comprising:

- a data area storing a transport stream of at least video data (Fig. 4, "TRANSPORT Packet of MPEG", "188 bytes", therefore an MPEG transport stream to be recorded to Fig. 5 DVD and Fig. 6, recording in logical zones, transferred to the DVD media thru a 1394 bus, "Isochronous Data Transfer", mode);
- the transport stream being divided transport packets (Fig. 4, "packets" or blocks, dummy packet, IEEE 1394);
- wherein each of the packets can be associated with one of the multiple paths (Fig. 14, multiple channels, recording packets); and

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- the transport packets of each path being stored in separate physical domains of the data area from one another (such as shown in Fig. 37, zones 1, 6, 2 resp., zone per/channel, channels 1, 3 and 4 resp.).

Regarding claims 2-8, Okada meets the limitations of having a navigation area storing navigation data (Figs. 41-44), including a map {by zone Fig. 37}, for each path (represented by channels 1, 2, 3, 4 etc.....) and position information (Fig. 42, has at least the leading address for each zone, while Fig. 37, shows zone recording for each channel), for the video of each path, wherein the navigation area includes navigation data item/items, the data items providing NAV. Info., for reproducing each path, having a list of at least the navigation data item/items (various data lists of Figs. 41-44 etc....., necessary to locate the digitally recorded video etc....., for reproduction), wherein in accord to Fig. 37 each path can be represented by a zone number or not, also the path is also defined by Fig. 44, stream Ids, and/or zones numbers and addresses, in accord to Fig. 42, leader addresses, wherein the Path defined by stream number Ids Fig. 41, or even zone numbers per/channel Fig. 37, represents a digital channel being a sub-channel of an RF channel received to the recording system (see SET TOP BOX, receiving a multi-channel stream (pages 1-2, MPEG 2, "programs of several hundred channels", "SET TOP BOX", Fig. 12)).

Claims 9-16 have been analyzed and discussed with respect to the claims above, wherein the claims represent the medium, method of reproduction and apparatus for recording and reproducing, deemed met by Okada,

O but it is noted that claims 15-16 recite additional limitations such as:

O a driver for driving an optical recording device, controller controlling the driver (Fig. 12, shows a driver circuit 63, which is controlled by the "MPU For Disk Access Control, thru the Bus 65), deemed to read on the claimed driver limitation, for driving the optical device in recording as well as reproduction.

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Contact Fax Information

Any response to this action should be mailed to:
Commissioner of Patents and Trademarks
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or faxed to:

(703) 872-9314, (for formal communication
intended for entry)

or:

(703) 308-5359, (for informal or draft communications,
please label "PROPOSED" or "DRAFT")

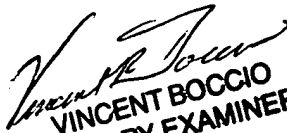
Hand-delivered responses should be brought to Crystal
Park II, 2121 Crystal Drive, Arlington, VA., Sixth
Floor (Receptionist).

Contact Information

Any inquiry concerning this communication or earlier
communications should be directed to the examiner of
record, Monday-Thursday, 8:00 AM to 5:00 PM Vincent F.
Boccio (703) 306-3022.

Any inquiry of a general nature or relating to the status
of this application should be directed to Customer Service
(703) 306-0377.

Primary Examiner, Boccio, Vincent
1/7/05


VINCENT BOCCIO
PRIMARY EXAMINER